

Date: Sat, 2 Oct 93 21:31:29 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1173
To: Info-Hams

Info-Hams Digest Sat, 2 Oct 93 Volume 93 : Issue 1173

Today's Topics:

Amateur TV Dealers in SF Bay Area?
ANS-275 BULLETINS

Anyone know how to increase the transmit power of CTX-55 by Deco Industries?
Best way to learn code?

Daily Solar Geophysical Data Broadcast for 02 October
first sos in history
HDN Releases
Motorola ad in QST?
response from Motorola 800 number
Trouble-makers
Tubes
YAESU

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 3 Oct 93 02:33:20 GMT

From: ogicse!uwm.edu!vixen.cso.uiuc.edu!howland.reston.ans.net!agate!iat.holonet.net!bwilkins@network.ucsd.edu

Subject: Amateur TV Dealers in SF Bay Area?

To: info-hams@ucsd.edu

mbsun.mlb.org!yyz!115-119!Greg.Chalfin (Greg Chalfin) writes:

: Does anyone know of any ham radio equipment dealers in the

: San Francisco Bay Area that specialize in amateur TV

... equipment, or at least have a good selection of such equipment?

•

: Thanks in advance for any info.

You may want to join in the ATV discussions on 147.060 Thursday evenings at 8:00 pm local. there is also a net on 145.510 about the same time.

I am unaware of any local dealers, most equipment is mail-order or passed around.

bob

- -

Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@cave.org packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: 3 Oct 93 04:58:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: ANS-275 BULLETINS
To: info-hams@ucsd.edu

SB SAT @ AMSAT \$ANS-275.01
NEW CROP OF OSCARS ARE BORN!

HR AMSAT NEWS SERVICE BULLETIN 275.01 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-275.01

A New "Crop" of OSCARs On-Orbit

As a result of last week's successful launch of SPOT-3 on ARIANE mission V-59, (26-SEP-93 01:45 UTC) three, and possibly four, amateur radio satellites have been "born." Late this week, two were given the names ITAMSAT-OSCAR 26 and AMRAD-OSCAR 27. The Portuguese builders of POSAT are determining whether or not they will activate the amateur package on that otherwise commercial satellite. This is why there maybe three, or perhaps four amateur satellites. The AMSAT News Service (ANS) will carry additional information when available. At the time this bulletin went to press, the Korean builders of KITSAT-B have not yet designated it an OSCAR, although it is expected that they will do so shortly.

These new series of amateur radio satellites will ensure that radio amateurs will have reliable "store-and-forward" messaging capability for many years to come. Also, the imaging cameras on POSAT-1, if it is made available to amateurs, and KITSAT-B will provide many excellent images of

the earth. To date, there has been no "official" announcement about the release of these satellites for general use. Each of the groups involved with the operation of their respective satellite are currently performing "engineering" check-outs. Please watch in the ANS bulletins for an announcement of the commencement of general amateur radio operations on each of these satellites.

The following table is a summary of the frequencies of each of these new spacecraft.

	UPLINK	DOWLINK	BAUD
=====			
KITSAT-B	145.870 MHz 145.980 MHz	435.175 MHz 436.500 MHz	9600 9600
ITAMSAT-OSCAR-26 (IO-26)	145.875 MHz 145.900 MHz 145.925 MHz 145.950 MHz	435.867 MHz 435.822 MHz	1200/9600
AMRAD-OSCAR-27 (AO-27)	145.850 MHz	436.800 MHz	300-9600
POSAT-1	145.925 MHz 145.975 MHz	435.250 MHz 435.275 MHz	9600

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SB SAT @ AMSAT \$ANS-275.02
MORE INFO ABOUT AMRAD-OSCAR-27

HR AMSAT NEWS SERVICE BULLETIN 275.02 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-275.02

AMRAD Announces the Launch of AMRAD-OSCAR-27 (AO-27)

The Amateur Radio Research And Development Corporation (AMRAD) of McLean Virginia is proud to announce the launch and activation of a new Orbiting Satellite Carrying Amateur Radio (OSCAR) named AMRAD-OSCAR-27 (AO-27). Launch occurred at 01:45:00 UTC Sunday, 26-SEP-93 aboard the Ariane V-59 mission from the Guyana Space Center in Kourou, French Guiana. AO-27 was inserted into its orbit approximately 24 minutes later as one of seven satellites launched on this mission. AO-27 was activated on the next orbit as it passed over the command station near Washington, D.C., and was heard by AMRAD members throughout the area.

AO-27 is a secondary amateur communications payload carried aboard the

EYESAT-1 commercial MICROSAT satellite built by Interferometrics Inc. of Vienna, Virginia. The amateur equipment aboard the satellite was constructed by members of AMRAD, a technically-oriented, non-profit organization of radio amateurs based in the Virginia suburbs of Washington, D.C., to meet the needs of amateurs for a platform to conduct digital satellite communications experiments. The payload is presently transmitting at 1200 bps AFSK on a frequency of 436.800 MHz on a part-time schedule during the on-orbit checkout and commissioning of the parent EYESAT-1 satellite. AMRAD members will be preparing information for future release on receiving and decoding telemetry from the payload and on the progress of their experiments.

AMRAD congratulates the KITSAT and ITAMSAT teams and the University of Surrey on the launch and activation of their satellites. AMRAD thanks AMSAT-NA for the technical support and encouragement they provided during construction and preparation of the AMRAD OSCAR payload. For further information about AMRAD and the AMRAD OSCAR-27 payload, please contact AMRAD at PO Drawer 6148, McLean Virginia, USA, 22106-6148, or call the AMRAD BBS in McLean, Virginia, at (703) 734-1387.

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SB SAT @ AMSAT \$ANS-275.03

AMSAT OPS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 275.03 FROM AMSAT HQ

SILVER SPRING, MD OCTOBER 1, 1993

TO ALL RADIO AMATEURS BT

BID: \$ANS-275.03

Current AMSAT Operations Net Schedule For A0-13

AMSAT Operations Nets are planned for the following times. Mode-B Nets are conducted on A0-13 on a downlink frequency of 145.950 MHz. If, at the start of the OPS Net, the frequency of 145.950 MHz is being used for a QSO, OPS Net enthusiasts are asked to move to the alternate frequency of 145.955 MHz.

Date	UTC	Mode	Phs	NCS	Alt NCS
9-Oct-93	1500	B	101	W9ODI	N7NQM
23-Oct-93	1315	B	154	WB6LL0	WA5ZIB
30-Oct-93	1300	B	62	W5IU	WB6LL0

Any stations with information on current events would be most welcomed. Also, those interested in discussing technical issues or who have questions about any particular aspect of OSCAR statellite operations, are encouraged to join the OPS Nets. In the unlikely event that either the Net Control Station (NCS) or the alternate do not call on frequency, any participant is

invited to act as the NCS.

Slow Scan Television on AO-13

SSTV sessions will be held on immediately after the OPS Nets a downlink on a Mode-B downlink frequency 145.960 MHz.

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SB SAT @ AMSAT \$ANS-275.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 275.04 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-275.04

Weekly OSCAR Status Reports: 01-OCT-93

AO-13: Current Transponder Operating Schedule:

L QST *** AO-13 TRANSPONDER SCHEDULE *** 1993 Aug 25-Oct 25

Mode-B : MA 0 to MA 90 !

Mode-BS : MA 90 to MA 120 !

Mode-S : MA 120 to MA 145 !<- S transponder; B trsp. is OFF

Mode-S : MA 145 to MA 150 !<- S beacon only

Mode-BS : MA 150 to MA 180 ! Blon/Blat 180/0

Mode-B : MA 180 to MA 256 !

Omnis : MA 230 to MA 40 ! Move to attitude 210/0, Oct 25

Continuous up-to-date information about AO-13 operations is always available on the beacons at 145.812 MHz and 2400.646 MHz in CW, RTTY and 400 bps PSK. Also, these bulletins are also posted to INTERNET, ANS bulletins, Packet, PACSATs, etc., and can also be found in many international newsletters. [G3RUH/DB2OS/VK5AGR]

AO-16: Operating normally. [WH6I]

UO-22: Operating normally. [WH6I]

KO-23: KO-23 had an OBC crash earlier in the week and, while the KAIST Ground Controllers were working with their new satellite (KO-25) they had to cope with this bird's failure too. There was some difficulty in gaining control of the bird again, and in the process the RAM disk was lost. However, the BBS is now up and running and busy as usual. [WH6I]

IO-26: This new satellite has been heard and is sending some frames. WH6I has seen telemetry coming down at 1200 baud PSK format similar to

that of A0-16. [WH6I]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ WOLJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

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SB SAT @ AMSAT \$ANS-275.05
AMSAT-NA SPACE SYMPOSIUM INFO

HR AMSAT NEWS SERVICE BULLETIN 275.05 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-275.05

AMSAT-NA Space Symposium Set For 7-11 OCT In Arlington, TX

Arrangements are being finalized for the AMSAT-NA Annual Meeting and Space Symposium '93. The proceedings are at the printers and the speakers list is full (30 Speakers!). The Saturday evening Banquet Program has now been arranged and will be very entertaining. There is still time to register. Call AMSAT Headquarters at (301)589-6062 for registration. Pre-registration deadline is 1-OCT-93. Hotel reservations can be made at (800) 453-7909 or (817) 640-4142. Be sure to mention you are with AMSAT.

If you are coming to the Surplus Store Tour on 7 October, please be sure to indicate this. If you are driving to Arlington and can help provide transportation for Thursday and/or Friday evening please so indicate.

This promises to be one of the best Symposia yet so don't miss it.
See you in Arlington, TX, 7-10 October 93!

Keith Pugh, W5IU

/EX
SB SAT @ AMSAT \$ANS-275.06
ANS LANDLINE BBS

HR AMSAT NEWS SERVICE BULLETIN 275.06 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT

BID: \$ANS-275.06

Some Landline BBSs That Carry AMSAT News Service (ANS) Bulletins & KEPS

CompuServe's Hamnet
Sysop: Scott Loftness (W3VS)
<760703.407@CompuServe.COM>

Western Pacific BBS
Phone #: 415-453-2854
Up to 14,400bps V.32bis
Sysop: Daniel C. Dufficy (KH8AF)
>INTERNET:kh8af@crl.com

The ARRL BBS
Phone #: 203-666-0578
Sysop: Luck Hurder (KY1T)
>INTERNET:lhurder@arrl.org

California Amateur Radio Emergency Services (CARES) BBS
Phone #: 916-323-4826
Sacramento, CA
Sysop: Gorden Fuller (WB6OVH)
>INTERNET:GFULLER@SFOVMICI.VNET.IBM.COM

!!amsa@sats&stats!! bbs
Phone #: 201-261-2780
New Jersey
Up to 14,400bps
Sysop: Mel Roman (KA2UPD)
>INTERNET:70712.1050@CompuServe.COM

HAM>LINK<RBBS
Phone #: 612-426-0000
Minnesota
Up to 9600bps
Sysop: John Desmond (K0TG)
>INTERNET:k0tg@amsat.org

OCA/AMSAT BBS
Phone #: 714-738-4331
Fullerton, CA
Up to 14,400bps
Sysop: John Wisniowski (N6DBF)
>INTERNET:n6dbf@amsat.org
or at CompuServe 70233,75

DRIG/AMSAT BBS

Phone #: 214-394-7438
Dallas, TX
UP to 14,400bps
Sysop: Jeff Wallach (N5ITD)

If you have a BBS and would like to join the AMSAT BBS Network, N6DBF would like to hear from you. I need to know the name of your BBS, Phone number, Location (city, state), Baud rate, Sysop's name and callsign, and your INTERNET and/or CompuServe address. Also, what AMSAT, ARRL, etc. files do you post each week.

Contact:

CompuServe at: 70233,75
Internet at: >INTERNET:n6dbf@amsat.org
or at N6DBF's callbook address

* Please note: The AMSAT BBS Network is a telephone (BBS) network, not a packet (PBBS) network.

73, John Wisniowski (N6DBF)
AMSAT NA, BBS Coordinator

/EX
SB SAT @ AMSAT \$ANS-275.07
G3IOR REPORTS ABOUT RS & MIR

HR AMSAT NEWS SERVICE BULLETIN 275.07 FROM AMSAT HQ
SILVER SPRING, MD OCTOBER 1, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-275.07

G3IOR Provides Some Interesting News About RS-10/11, RS-12/13 & MIR

The Russian RS-1 satellite, launched in October 1978 is now 15 years old, but still giving signals. It's battery went open circuit soon after launch, but the spacecraft's 29.401 MHz beacon can still be heard sending "55" when the solar cells are in full sunlight. Sadly, the power is insufficient to provide that needed to operate the Mode-A transponder.

Nico Janssen (PA0DLO) recently visited the Radio Sputnik ground command station, meeting Leonid Labutin (UA3CR), his son Evgeny (RA3APR), Sergei Samburov (RV3DR), and the operators of RS3A. They passed on the following information on the satellites.

For a number of technical reasons, command problems, interference and the like, the radio amateur satellite systems RS 10/11 and RS 12/13 cannot presently be switched to modes other than those now in use. Consequently for the immediate future RS-10 may be expected to continue to operate in Mode-A (2M uplink and 10M downlink) and RS-12 in Mode-K (15M uplink and 10M

downlink). RS-11 and RS-13 will remain switched off and in "standby" mode. The new Russian amateur satellite system RS-15 is now complete and ready for launch. It will be built into another Cosmos navigation satellite, similar to the navigation satellite Cosmos-2123 that houses RS-12/13. It is not known exactly when the launch of the satellite will occur, but as soon as an older satellite in this series of navigation satellites reaches the end of its operational life, the new satellite, with RS-15, will be launched.

There are now no plans for any further RS satellites after RS-15, and only project that the RS team is involved in is the voice experiment satellite VOXSAT. In this project the Russian team will work together with AMSAT-LU to build this amateur satellite system also to be built into a Russian satellite.

News on MIR

The present crew members of MIR, Vasily Tsibliyev and Aleksander Serebrov do not have personal amateur radio licenses, thus they do not have their own call signs while manning MIR. However, they do have permission to use the amateur radio station in MIR, using the general MIR call sign R0MIR for speech and R0MIR-1 for the onboard packet radio Personal Message System (PMS).

Since all Russian cosmonauts will now be given amateur radio training by Sergei (RV3DR) as a fixed part of their cosmonaut training, we may confidently expect the amateur radio station in MIR to be active continuously as long as cosmonauts are on board the space station. Future trained cosmonauts include Valeri Poliakov (U3MIR), Viktor Afanasyev (U9MIR) and Yuri Usachov (R3MIR).

Sergei (RV3DR) is only involved in training the Russian cosmonauts, so he recommends that western amateur radio organizations take care of the amateur radio training of the coming visiting cosmonauts preparing for a stay in MIR. Also, to make the amateur radio activity of a western cosmonaut in MIR as effective as possible Sergei suggests to have the cosmonaut carry out a specific amateur experiment or take some new equipment to MIR, such as the microphone with voice memory taken by the German cosmonaut Flade.

Plans are afoot to change MIR's amateur radio equipment. In the future not only 2M but also 70cm and even 23cm operation can be expected. ATV equipment for use aboard the space station is presently being developed in Germany.

73, Pat, G3IOR @ GB7VLS

/EX

Date: Sat, 2 Oct 93 22:02:56 GMT
From: usenet.coe.montana.edu!caen!malgudi.oar.net!news.ans.net!nynexst.com!
rsilvers@decwrl.dec.com
Subject: Anyone know how to increase the transmit power of CTX-55 by Deco
Industries?
To: info-hams@ucsd.edu

This transmitter puts out 60mw. It uses a 9v power supply. Would a 12v power supply increase the output power? (without cooking it). Any ideas on how to increase power closer to the legal 100mw limit? Thanks,

--Rob.

Date: Fri, 1 Oct 1993 12:32:25 GMT
From: olivea!sgigate!odin!chuck.dallas.sgi.com!adams@uunet.uu.net
Subject: Best way to learn code?
To: info-hams@ucsd.edu

In article <jdm-300993102247@158.140.20.177>, jdm@cadence.com (Joe Mastroianni) ...stuff deleted...
> It's like this: Most of copying CW has to do with knowing what the guy is
> going to say next. Once you realize that, your CW speed will increase.
>
> Cheers,
>
>
> Joe
>
>
>
>
> --
> Joe Mastroianni A.R.S. AA6YD | "Up the airy mountain,
> jdm@cadence.com | Down the rushy glen,
> 74107,310:cserve | We daren't go a-hunting,
> JOE-M:Genie | For fear of little men."
- Allendale
> The opinions expressed in this article do not reflect those of my employer

Joe,

my qsl card is in the mail. i know we're going to work and i know what your RST to me is, thus we have a valid QSO. :-)

you DO QSL, don't you?

tu es gl n test de k5fo dit dit

:-)

name hr is chuck

Date: 3 Oct 93 02:41:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 02 October
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 275, 10/02/93
10.7 FLUX=126.8 90-AVG=093 SSN=114 BKI=1123 1221 BAI=006
BGND-XRAY=B5.0 FLU1=5.4E+05 FLU10=1.2E+04 PKI=2233 2321 PAI=008
BOU-DEV=008,005,018,025,006,015,010,008 DEV-AVG=011 NT SWF=01:002
XRAY-MAX= M1.4 @ 0633UT XRAY-MIN= B3.9 @ 2028UT XRAY-AVG= B8.7
NEUTN-MAX= +002% @ 2220UT NEUTN-MIN= -002% @ 2320UT NEUTN-AVG= +0.1%
PCA-MAX= +0.1DB @ 1145UT PCA-MIN= -0.9DB @ 1510UT PCA-AVG= -0.1DB
BOUTF-MAX=55364NT @ 2303UT BOUTF-MIN=55335NT @ 1729UT BOUTF-AVG=55354NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+074,+000,+000
GOES6-MAX=P:+125NT@ 1726UT GOES6-MIN=N:-064NT@ 1415UT G6-AVG=+094,+012,-042
FLUXFCST=STD:130,132,135;SESC:130,132,135 BAI/PAI-FCST=010,010,010/010,010,010
KFCST=3123 3222 3213 3222 27DAY-AP=012,011 27DAY-KP=4333 2222 3333 3223
WARNINGS=*MAJFLR;*SWF
ALERTS=**MINFLR:M1.4/SN@0633UTC;**TENFLR:120SFU@0631UTC,DUR=2MIN;
**245STRM:0638-0825UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 01 OCT 93 was 30.4.
The Full Kp Indices for 01 OCT 93 are: 5o 4+ 5- 5- 3o 3- 2+ 2o

Date: Fri, 1 Oct 1993 12:48:05 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!caen!nigel.msen.com!well!
vaughan@network.ucsd.edu
Subject: first sos in history
To: info-hams@ucsd.edu

In <749436579snx@llondel.demon.co.uk> dave@llondel.demon.co.uk (David Hough)
writes:

>In article <1993Sep28.173817.20711@super.org> weh@hume.super.org (Bill Holmes)
writes:

```
>>A trivial question that we would really appreciate some help on  
>>is "what ship sent the first sos signal?  
>>  
>>The second question that we would also really like to know is  
>>what signal was used for distress before the sos signal.  
>>  
>Can't help with the first one, but the second was something like:  
>'Please can someone help us because our ship is sink'.....  
>No wonder it got shortened :)
```

```
>Dave  
>--  
Seems like I saw what was believed to be something on the first SOS  
when I was visiting the Queen Mary in Long Beach. I can't for the life of me  
remember the name of that ship now. It was in the ship display/museum. Maybe  
someone from that area can remember or visit and find out.
```

Tom

Virtual Brag line begins here ->

```
Date: 2 Oct 93 06:17:05 GMT  
From: ogicse@mbsun.mlb.org!yyz!124-7009!Lee.Laird@network.ucsd.edu  
Subject: HDN Releases  
To: info-hams@ucsd.edu
```

The following files were processed Saturday 10-02-93 at 1:124/7009:

HAMFILES [HAM: Adm/Link Info/Applications/Uplinks to HDN]

```
HAMBBS.ZIP ( 7195 bytes) 10/93 Ham BBS list from W3INK
```

```
7195 bytes in 1 file(s)
```

Total of 7195 bytes in 1 file(s)

Files are available via Anonymous-FTP from [ftp.ieee.org](ftp://ftp.ieee.org)

Directories are:
pub/fidonet/ham/hamnews (Bulletins)
/hamant (Antennas)

```
/hamsat      (Sat. prg/Amsat Bulletins)
/hampack     (Packet)
/hamelec     (Formulas)
/hamtrain    (Training Material)
/hamlog      (Logging Programs)
/hamcomm     (APLink/JvFax/Rtty/etc)
/hammods     (Equip modification)
/hamswl      (SWBC Skeds/Frequencies)
/hamscan     (Scanner Frequencies)
/hamutil     (Operating aids/utils)
/hamsrc      (Source code to programs)
/hamdemo     (Demos of new ham software)
/hamnos      (TCP/IP and NOS related software)
```

lee - wa5eha
Ham Distribution Net
* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

* Origin: The Chicago Internet Gateway [CHIGATE.MCS.COM] (1:115/119.0)
SEEN-BY: 115/747 2200/3 2112
@PATH: 115/999 119 747 2200/2112
2112
@PATH: 115/999 119 747 2200/2112

Date: 1 Oct 93 18:04:06 GMT
From: ogicse@mbsun.mlb.org!yyz!115-119!Peter.Z..Simpson@network.ucsd.edu
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

[comments on somewhat vague Moto ad deleted]

I, too, was somewhat confused by the ad. Moto. seems to be concerned about several things: cellular ESN fiddling, unlicensed operation and 3rd party configuration services, software and hardware for Moto radios. At least, that's what I got out of the ad.

All the above are valid concerns. However, even the writer of the ad seemed unable to make a connection between activities that threatened Moto's revenue (third party configuration and upgrade kits) and activities which are a true threat to public safety.

As a ham, I hope Moto does not tighten up on technical information. That would make my re-use of Moto gear in the ham bands that much more difficult. I have friends who use synthesized commercial gear on the ham bands and all of them have made "unauthorized" modifications which void the type acceptance on the

equipment...exactly the kind of activity the ad seemed to be addressing. For Moto to make changes in their equipment and documentation in an attempt to prevent loss of revenue would seriously damage Moto's standing among those of us in the "tertiary market." Moto and hams have had a good relationship for many years and I believe that relationship is partially responsible for Moto's current reputation in the industry. It would be unfortunate for both groups if that relationship could not continue.

```
=====
Peter Simpson, KA1AXY          Peter_Simpson@3com.com
3Com Corporation                (508) 836 1719
71 Lyman Street                 Northboro, MA 01532
#include <std_disclaimer.h>      Linux = *free!* Unix for 386
=====
```

```
* Origin: The Chicago Internet Gateway [CHIGATE.MCS.COM] (1:115/119.0)
SEEN-BY: 115/747 2200/3 2112
@PATH: 115/999 119 747 2200/2112
12
@PATH: 115/999 119 747 2200/2112
```

Date: Sat, 2 Oct 1993 18:37:15 GMT
From: well!moon!pixar!bruce@uunet.uu.net
Subject: response from Motorola 800 number
To: info-hams@ucsd.edu

I called the Motorola 800 number when that ad first started appearing in ham radio magazines. I asked them what they were worried about. I was concerned because I modify Motorola radios for the amateur bands. The answer was software piracy, and they specifically mentioned piracy _by_Motorola_employees_. They must have better means of reaching their own people, so I assume they are concerned with outside piracy as well.

This seems to have to do with the software for programming the trunked radio systems, and the ROMs in the radio. The ROMS can can be "handicapped" so that Motorola can sell additional features that are simply un-enabled software in the ROM. They probably sell the "entry-level" radio for a low margin, and then simply charge a lot to enable features of the radio, as if the customer were getting a hardware upgrade. They've probably even put the output power of the radio under software control, so that when you pay a few more bucks

they reprogram the radio to transmit with more power.

This is going to be bad for Radio Amateurs, because when these radios come into Amateur Radio through the used-equipment market, we're not going to be able to persuade Motorola to release the software details we need to convert them to Amateur use. It might even become difficult to get technical documentation for these radios.

Dear Motorola marketing people: Whenever anyone sells a product with software lock-outs, there's always another manufacturer willing to sell a system without the handicaps for the same price. You might study the example of IBM and DEC, who both lost market share when they used this trick. DEC had some famous examples in which they deliberately slowed down the VAX-750 and VAX-730 computers to protect their higher-priced lines that had been built on older technology. Their customers became alienated and bought Sun Microsystems. IBM and DEC literally "owned" the market, and were convinced they could not lose through the policy of selling handicapped systems, even though they knew that others were offering more value for the same price. Perhaps Moto management is in the same mindset today. Business band radios are close enough to a commodity that you risk feeding your business to offshore manufacturers.

I'm not in the market for business band radios today. When I am, I'll be sure to buy an open system, the same as when I'm shopping for computers.

Bruce Perens KD6OTD/AE

Date: 3 Oct 93 02:09:21 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!
usenet.ins.cwru.edu!po.CWRU.Edu!alo2@network.ucsd.edu
Subject: Trouble-makers
To: info-hams@ucsd.edu

In a previous article, oo7@emx.cc.utexas.edu (Derek Wills) says:

>jangus@skyld.tele.com (Jeffrey D. Angus) says:
>
> >>As an aside, Julian Macassey was told once that he couldn't purchase RG-6
> >>coax since the FCC prohibited the sale to consumers. I'd love to see where
> >>it says that in print.
>

(some text deleted)

>You can also make out a check to the "Potsmaster" at the Post Office,
>I do that every time. And the Southern Union Gas Company in town

>will take the check if you make Union into Onion.
>
>You can get close to writing Infernal Revenue Service on a check, but
>I have never pushed it too far. Like a few people on this net, the
>IRS has a minimal sense of humor.
>
>
> In the words of Aristotle, "Question Authority".
>
>Right On - if they still say that,
>
>
>Derek Wills (AA5BT, G3NMX)
>Department of Astronomy, University of Texas,
>Austin TX 78712. (512-471-1392)
>oo7@astro.as.utexas.edu
>

Jeez, did I ever find that out one year when I modified their pre-printed return envelope to read:

INTERNAL REVENUE SERVICE
ATT: SUPER HUGS AND KISSES DIVISION
CINCINNATI, OHIO

What is it about government that requires us to grin and bear it, but cannot seem to crack a smile itself??

Off to navigate the bands which the FCC does little to curb the blue language on (AKA that @!#\$@ 14 MHz band...)

Paul KB5THS

--

Amy L. O'Toole N8XDL
Case Western Reserve University
Cleveland, Ohio

Greetings from the
North Coast of
America!

The opinions expressed aren't anyone else's...although they should be.

Date: Thu, 30 Sep 1993 18:11:54 GMT
From: swrindle@sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!
scott@network.ucsd.edu
Subject: Tubes
To: info-hams@ucsd.edu

Do any of you have any experience with International Components Corp.

tubes? They're a fairly regular advertiser in QST. I'm looking to retube some older Drake radios and received a list of prices from them for the tubes I need. The prices seem reasonable, but the tubes are their own house brand. I have no idea where they're manufactured or what quality is like, so any information would be appreciated.

Scott Turner N0VRF scott@hpisla.LVLD.HP.COM
HP VXI Systems Division

Date: 2 Oct 93 00:14:51 GMT
From: ogicse!mbsun.mlb.org!yyz!115-119!Gary.Calvert@network.ucsd.edu
Subject: YAESU
To: info-hams@ucsd.edu

F.Y.I.

My spell checker detects and offers changes for:

Crysler = Chrysler
Cheby = Chevy

But my spell checker does NOT detect:
ICOM, KENWOOD, ALINCO, or YAESU

I guess everyone is not as liderate as you. :)

73's Keep a chip up ol' chap... there may be many people ahead of you on the literary field too.

No flames intended... just another point of view.

Don't post rubbish to the net... I don't log on here often.

TNX

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* Origin: The Chicago Internet Gateway [CHIGATE.MCS.COM] (1:115/119.0)
SEEN-BY: 115/747 2200/3 2112
@PATH: 115/999 119 747 2200/2112
115/999 119 747 2200/2112

End of Info-Hams Digest V93 #1173
